



NIT-323

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

DEC 05 2003

TC 1700

In re Patent Application of

M. SHIIKI et al

Serial No. 10/074,018

Group Art Unit: 1774

Filed: February 14, 2002

Examiner: C.S. Thompson

For: LIGHT SOURCE AND DISPLAY USING THE SAME

AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed July 29, 2003,
please amend the above application as follows. A petition and
fee for a one-month Extension of Time also accompanies this
response.

IN THE ABSTRACT

Please amend the abstract as follows.

The luminance of phosphor is enhanced by forming a phosphor screen of a fluorescence generation unit by phosphor expressed by the following composition formula ~~and a display using a white light the luminescent color of which is improved and which has an excellent characteristic is acquired.~~

~~Composition formula:~~ $(\text{La}_{1-a-b}\text{Ce}_b)_3(\text{Al}_{1-c}\text{Ga}_c)_5\text{O}_{12}:\text{M}_d$
~~wherein~~ wherein, a, b and c are ~~in each~~ in the following ranges of $0 \leq a \leq 1.0$, $0 < b \leq 0.1$ and $0 \leq c \leq 1.0$, M is dopant of a monovalent ~~ion~~ metal element and is included in phosphor by approximately $0 < d \leq 1000$ wt-ppm. Dopant M of a monovalent ~~ion~~ metal element is at least one type of element selected from a group consisting of K, Na, Li, Cu, Ag and Au. Thus, a display using a white light of improved luminescence and having excellent characteristics can be realized.